

BALEVSZKI, A.T. ; DIMOV, X.

New method for pressure casting. Koh lap 95:Suppl.:Ontode 13
no.6:121-214 Je '62.

DIMOV, I.

Zooplankton along the western shore of the Black Sea in the
period 1957-1959. Izv Inst ribovud BAN 2:5-27 '62.

DIMOV, I.

Composition and quantity of the zooplankton along the
Black Sea western shore. Izv. Inst ribovud BAN 3: 5-29 '63.

DIMOV, Iakim

Hemoglobin content and the number of erythrocytes in the blood of young pigs; gain in weight during the suckling period and the first month after weaning. Izv Zhivotn nauki 1 no.1:29-38 '64.

1. Institute of Animal Husbandry, Kostinbrod.

DIMOV, Iordan, inzh., n.s.

Penetration of liquid metal into the sandy wall of a sand-metal mold in pressure casting. Tekhnika Bulg 12 no.4:1-5 '63.

1. Sektsiia MTM, BAN.

DIMOV, Iv., Dots.

On the surgical treatment of ozena. Khirurgia (Sofia) 16
no.6:551-552 '63.

(RHINITIS, ATROPHIC) (SURGERY, OPERATIVE)

DIMOV, Iv., inah.

Filling the wedge-shaped cavity made of metallic inserts at the counter-pressure casting in combine sand and metal molds.
Mashinostroene 12 no.5:23-26 My '63.

1. Bulgarska akademia na naukite.

DIMOV, Ivan, inzh.

Purity of the surface of castings, found by counterpressure in sand molds. Tekhnika Bulg 12 no.6:20-21 '63.

1. BAN, seksia "Metaloznanie i tekhnologiya na metalite."

ILIEV, T. [Iliev, T.]; ARSOW, R. [Arsov, R.]; DIMOV, Iv. [Dimov, Iv.]
GIRGINOV, G. [Girginov, G.]; JOWTSCHEW, E. [Iovchev, E.]

Domestic mammals (swine, cattle, sheep) as permanent
Pasteurella carriers and hidden sources for pasteurellosis
of the poultry. Acta veter Hung 13 no.2:196-203 '63.

1. Lehrstuhl für Epizootologie (Vorstand: Prof. T. Iliev [Iliev, T.])
der Tierärztlichen Hochschule, Sofia.

DIMOV, Ivan, inzh.

Gasification of combined sand and metallic molds, and its influence on the purity of castings in pressure casting. Tekhnika Bulg 12 no. 10:1-4 '63.

1. Bulgarska akademija na naukite, sektsiia "Metaloznanie i tekhnologija na metalite".

DIMOV, Ivan

Seasonal changes in the composition of zooplankton species,
and their effect on the biomass in the western region of the
Black Sea. Izv Inst ribovud BAN 5:33-44 '64.

DIMOV, Ivan Vasiliev (Sofiya, Bolgariya)

Theory of a plane strained state of nonhomogeneous linear
rheological media. Izv. AN SSSR. Mekh. no.3:102-105. 1965.
(JNNA 16:7)

DIMOV, J. [Dimov, I.]

Influence of the currents on the distribution of zooplankton.
Doklady BAN 15 no.3:309-312 '62.

1. Note présentée par A. Valkanov, membre-corr. de l'Académie.

BALEWSKY, A. [Balevski, A.]; KALEV, L.; DIMOV, J. [Dimov, I.]; PEEV, P.

Criterion for the durability of cast iron in sharp temperature variations. Doklady BAN 17 no.10:945-948 '64.

DIMOV, Kiril, prof. d-r; KOLEV, Stoian, st. pr. inzh.; DRAGANOV, Tikhod,
as. inzh.

The new DKD apparatus for the determination of crease resistance.
Tekstilna prom ll no.5:22-26 '62.

DIMOV, Kiril, prof. d-r inzh.; KOLEV, Stoian, inzh.

Electrophotometric method of determining crease resistance
of fabrics. Tekstilna prom 13 no. 1:23-26 '64.

KOLIKOVSKI, K.; DIMOV, K.; PETKOVA, L.

On extracardiac arterial anastomoses of the heart. (Preliminary communication). Khirurgiia, Sofia 14 no.2/3:238-239 '61.

1. Katedra po operativna khirurgiia s topografaska anatomia pri Visshiaa meditsinski institut i Institut za burza meditsinska pomosht, "N. I. Pirogov", Sofiia.

(CORONARY VESSELS)

DIMOV, K

DIMOV, K.

"Condition of the industry for production of chemical textile fibers in the German Democratic Republic", P. 59., (TESHKA PROMISHLENCST, Vol. 3, No. 6, 1954, Sofiya, Bulgaria)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, No. 6, June 1955, Uncl.

Dimov, K

DIMOV, K.

"Miners Day and the upswing in the development of the mining industry,"
P. 1., TESHKA PROMISHLENCST, Vol. 3, No. 7, 1954, Sofiya, Bulgaria)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4,
No. 6, June 1955, Uncl.

DIMOV, K.

DIMOV, K. Raw materials in our country for development of the chemical industry (natural and synthetic) for textile fabrics. p.8.

Vol. 4, no. 9, 1955

TEZHKA PROMISHLENOST
TECHNOLOGY
Sofiya, Bulgaria

So: East European Accessions, Vol. 5, no. 5, May 1956

DIMOV, K.

DIMOV, K.; RAFAELIAN, S.

"Plastic textile fiber", P. 12., (TESKA PROMISHLENOST, Vol. 3,
No. 9, 1954, Sofiya, Bulgaria)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4,
No. 6, June 1955, Uncl.

DIMOV, K.

Concerning the Raw Material Base of our Country for the Development of
Chemical Textile Fibers

TEZHKA PROMISHLENOST (Heavy Industry) Issue #9;8; September 1955

DIMOV, K., AND OTHERS

DIMOV, K., AND OTHERS. Utilization of carbamide formaldehyde resins
for reducing the wrinkling of cellulose fabrics. p. 18.

Vol. 5, No. 9, 1956.
LEKA PROMISHLENOST.
TECHNOLOGY
Sofia, Bulgaria

So: East European Accession, Vol. 6, No. 3, March 1957

10 3
Teaching chemistry and chemical technology in Bulgaria.
The development of the chemical products industry in the
country. K. Dimov (Inst. of Chem. Technol., Sofia,
Bulgaria). *Ing. Zhiv.* 38, No. 208, 185-9 (1956).
Ann Nicholson-Herd

RDS

COUNTRY : BULGARIA
 CATEGORY : Chemical Technology. Chemical Product and their Applications. Chemical Wood Products*
 ABS. JOUR. : RZKhim., No. 23 1959, No. 83687
 AUTHOR : Dimov, K.; Lukanov, T.; Zhulev, S.
 : Khim.-tehnol. Institute
 TITLE : Experiments in the Obtainment of Furfural from Sunflower Seed Hulls
 ORIG. PUB. : Godishnik Khim.-tehnol. in-t. 1957(1958), 4 No 1, 43-53
 ABSTRACT : Experiments were conducted with the purpose of establishing optimum conditions for the pre-hydrolysis step and subsequent obtainment of the maximum yield of furfural (I) with the condition that the derived cellulose (C) will be suitable for chemical treatment. It was demonstrated that with the increase of hydro-modulus by a factor of 2 (from 3 to 6) the yield of I increases rapidly while the ash and
 *Hydrolysis Industry.
 CARD: 1/3

SCOUT
CAMERAI

H

ABO. JOUR. : RZKham., No. 23 1959, No. 83687

AUTHOR :
INST. :
TITLE :

ORIG. PUB. :

ABSTRACT
Con'd

: pentozane content in the solid residue decreases respectively by 27 and 75%. This is accompanied by an intensive destruction of C (the degree of polymerization (DP) is 543 at a hydro-modulus of 1 : 3 and 389 at 1 : 6). Greater portion of pentozanes (80.5%) and of ash (45.5%) is being removed at the lowest hydro-modulus. In so doing a substantial destruction of C occurs while the yield of I from pentozanes remains unsatisfactorily low (approx. 32%). The most suitable hydro-modulus

CARD:

2/3

H - 83

COUNTRY :
CATEGORY :

H

ABS. JOUR. : RZKhim., No. 23 1959, No. 83687

AUTHOR :
INST. :
TITLE :

ORIG. PUB. :

ABSTRACT : level is 4.5 - 5.0 at which the yield of I is
Con'd 36.9% and the obtained C is suitable for che-
mical refining (CR=417). The yield of I in-
creases when I is removed from the reaction
mixture at a high rate.

CARD: 3/3

BULGARIA/Chemical Technology - Chemical Products and Their
Application. Dyes and Chemical Treatment of
Textile Materials.

H-34

Abs Jour : Ref Zhur - Khimiya, No 17, 1958, 59651

Author : Dimov, K., Lukanov, T., Bozheryanov, Yu.

Inst :

Title : The Use of Carbamide- and Carbamidemelaminoformaldehyde
Resins for Decreasing the Crumpling of Viscose Staple
Fiber (Wool Type) Fabrics.

Orig Pub : Leka promishlenost, 1957, 6, No 9, 13-17.

Abstract : The conditions were established for the extraction of
stable urea-formaldehyde precondensates, which do not
change their properties during a one-month storage pe-
riod. This allows accomplishing centralized product
preparation in one chemical enterprises for satisfying
the needs of the entire textile industry of the country.
The introduction of 20-30% melamine into the composition

Card 1/2

- 108 -

BULGARIA/Chemical Technology - Chemical Products and Their
Application. Dyes and Chemical Treatment of
Textile Materials.

H-34

Abs Jour : Ref Zhur - Khimiya, No 17, 1958, 59651

of the precondensate strongly furthers the fixation of the resin and the increase of the resistance of the finishing to crumpling and washing. The introduction of non-crumpling finishing into the industry is being delayed by the lack of closed drying-stretching frames and chambers for carrying out the process of condensation.

Card 2/2

DIMOV, KIRIL

BULGARIA / Chemical Technology. Chemical Products and Their J-10
Application - Wood chemistry products. Hydrolysis industry

Abs Jour : Referat Zhur - Khimiya, No 2, 1958, 6020

Author : Dimov, Kiril, Belovezhdov G.

Inst : Not given

Title : Effect of Hydromodulus of Hydrochloric Acid Prehydrolysis
on the Composition of Wheat Straw

Orig Pub : Khimiya i industriya, 1957, 29, No 4, 24-25

Abstract : No abstract.

Card 1/1

Dimov, K.

Distr: 4E3d

The isolation of furfural from water-furfural mixtures by rectification: K. Dimov, T. Lukov, and St. Zhulev. *Khim. i Ind. (Sofia)* 23, No. 7-8, 15-16 (1957).—Distillates and hydrolyzates of mixts. of wheat chaff and sunflower seed shells contg. from 5.5-13.6 g./l. furfural when subjected to rectification yielded a max. of 82% of the latter. N.B.

JW
1/1

5
20/100
1

DIMOV, KH. S.

SCIENCE

DIMOV, KH. S. Kurs po deviatsiata na magnitniiia kompaz. Durzh.
voen. izd-vo, 1958. 294 p.

Monthly List of East European Accessions (EEAI) LC. Vol. 8, No. 5,
May 1959, Unclass.

BULGARIA/Chemical Technology. Chemical Products and Their
Application. Dyeing and Chemical Treatment of
Textile Materials.

II-34

Ads Jour: Ref Zhur-Khim., No 2, 1959, 6899.

Author : Dinov, K.; Topalov, K.; Lukhanov, T.; Arabov, D.

Inst :

Title : Experiment of Producing White Reserve by Glacial (Azide)
Dyeing.

Orig Pub: Lekh promishlenost. Tekstil, 1958, 7, No 1, 25-30.

Abstract: The resisting action of various reducing agents,
salts of metals and organic acids to various azo-
amines (in respect to Azotol A) was studied, and the
compositions of resisting printing dyes yielding
optimum results are selected. - O. Golosenko.

Card : 1/1

DIMOV, K.
TECHNOLOGY

Possibilities for improving the dyeing and finishing of cotton fabrics. p. 11.

LEKA PROMISHLENOST. TEKSTIL. (Ministerstvo na lekata promishlenost) Sofia.

Vol. 7, no. 6, 1958.

SO: Monthly List of East European Accessions (EEAI) IC

Vol. 8, No. 3
Uncl. March 1959

DIMOV, K.

"Some decisions of the Standing Committee for Organizing the Second Congress of Chemists of Coloring and Dressing of the Socialist Countries"

Leka Promishlenost. Tekstil. Sofia, Bulgaria. Vol. 7, no. 10, 1958

Monthly list of East European Accessions (EEIA), LC, Vol. 8, No. 6, Jun 59, unclas

DEMOV, K.; MAKAVEISKA, St.

Comparative results at the bleaching of the flax yarn and fabric with the chlorite, hypochlorite and hypochlorite-peroxide methods. Godishnik khim tekhn 7 no.1/2:65-75 '60 [publ. '61].

DIMOV, K.; STEFANOVA, Dr.

Test relating to the low-temperature condensation in the creaseless dressing with carbamide-formaldehyde precondensates. Godishnik khim tekhn 7 no.1/2:77-94 '60 [publ. '61].

DEMOV, K.; MIKHAILOVA, St.

Certain regularities in the reservation of naphthol dyes with
reducers. Godishnik khim tekhn 7 no.1/2:95-102 '60 [publ. '61].

DIMOV, Kiril, prof.; MAKAVEJSKA, St.

Comperative results from the bleaching of linen yarns and fabrics by the chlorite, hypochlorite, and hypochlorate peroxide method. Tekstilna prom 10 no.5:24-28 '61.

DIMOV, K., dotsent; MIKHAYLOVA, S.

Use of reducers for resist dyeing with insoluble azo dyes.
Tekst.prom. 21 no.6:64-66 Je '61. (MIRA 15:2)
(Dyes and dyeing)

Large, Zoltenharte Perf. Thallus. No. 219, 20. 10. 1922 (containing)

COMMENTS:

[illegible]

10. On the foregoing basis Bureau of Biometry Paid only \$100.00 to Dr. I.O. McREATH and a grant of \$1,000.00 to the Chemical Research Center of the University of the Pacific, P.O. Box 2400, Stockton, California 95211, and the University of California, Berkeley, California 94720.

1. Determination of Transport Numbers for Hydroxide Ion in Aqueous Solution (A. H. Ewald, Prof. Dr. R. D. Macdonald and D. J. G. Jones, of the Chemical Research Center of the Canadian Project, Republic, Department, PO 154-155).

Catalysis," Prof. Dr. A. DALLMANN and Dr. LUDWIG-KRISTAL of the Institute of Inorganic Chemistry, University of Tübingen (Germany), pp. 240-272.

DIMOV, Kiril, prof.; LALEVA, Velichka, inzh.; GARVAJSKA, Radka, inzh.

Studies on the oxidation of cotton cellulose with sodium
hypochlorite in the presence of cobalt nitrate. Tekstilna
prom 11 no.6:24-25 '62.

DIMOV, Kiril, prof.; LALEVA, Valichka, inzh.; VEZNEVA, Khristina, inzh.

Qualitative determination and quantitative computation of
fibers in mixed textile materials. Pt.1. Tekstilna prom.
12 no.5:20-25 '63.

DIMOV, Kiril, prof.; LAVEVA, Velichka, inzh.; VEZNEVA, Khristina, inzh.

Qualitative determination and quantitative computation of
fibers in mixed textile materials. Pt. 2. Tekstilna prom
12 no. 6:27-29 '63.

DIMOV, K.; BOIADZHIEV, Khr.; SAPUNDZHIEVA, B.

Spectrophotometric method of determining prescriptions
for the dyeing of models with indigosol dyes. Godishnik
khim tekhn 9 no.2:75-86 '62 [publ. '63].

DIMOV, K.; LALEVA, V.; GARVANSKA, R.

Oxidation of cotton cellulose with sodium hypochlorite
in the presence of cobalt nitrate. Godishnik khim tekhn
9 no.2:145-162 '62 [publ. '63].

DIMOV, K.; BOJADGIEV, Ch. [Boiadzhiev, Kh.]; LEOPOLD, V.

Analog of Beer's law on light reflected by colored textiles. Doklady
BAN 16 no.3:285-288 '63.

1. Vorgelegt von Akademiemitglied D. Ivanoff [Ivanov, D.].

DIMOV, LIUBOMIR

"Izpolzuvane metoda na naimalkite kvadrati za opredeliene na nai-podkhodiashata niveleta i ravnina. Stalin, Nauka i iskustvo, 1952. 53 p. (Using the method of the least squares for determining the most suitable level and plane. Diagsr.)

SO: East European, L. C. Vol. 2, No. 12 Dec., 1953

Dimov, Lyubomir. Determination of best approximating
circle by the method of least squares and by other
methods. Jbuch. Staatsuniv. Stadt Stalin Fak. Bau-
wesen 1 (1953), 93-109. (Bulgarian. Russian sum-
mary)

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I-FW
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DIMOV, L., prof. inzh.

Leveling polygonal course by simultaneous determination of angular
and side corrections. Tekhnika Bulg 3 no.2:26-29 F '54.

DIMOV, L.

Equalization of the polygonal network according to the method of conditional observation,
p. 26.

Vol. 4, no. 3, Mar. 1955
TEKHNIKA
Sofiya, Bulgaria

So: Eastern European Accession Vol. 5 No. 4 April 1956

DIMOV, L.

Determination of the horizontal line. p. 32.
TEKHNIKA, Sofiya, Vol. 4, no. 6, Aug./Sept. 1955.

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 5, No. 6 June 1956.
Uncl.

DIMOV, Lyubomir, professor, inzhener; DITTS, O.G., professor, redaktor
[translator]; BOLOPIN, A.I., dotsent [translator]; KAPLAN, M.Ya.,
redaktor izdatel'stva; PUL'KINA, Ye.A., tekhnicheskly redaktor

[Using the method of the least squares for determining the most
suitable level and plane; for the vertical cross-section of building
sites] Primenenie sposoba naimen'shikh kvadratov k opredeleniiu
naibolee podkhodiashchikh oformlaniushchikh priamykh i ploskostei;
pri vertikal'noi planirovke stroitel'nykh ploschadek. Perevod s
bolgarskogo O.G.Ditts i A.I.Bologina. Pod red. O.G.Ditts. Leningrad,
Gos. izd-vo lit-ry po stroit. i arkhitekture, 1956. 34 p.
(Building)

(MLRA 9:12)

DIMOV, L.

DIMOV, L. Determining the most suitable plane. p. 206.

Vol. 2 no. 11, Nov. 1956
GEODETICKY A KARTOGRAFICKY OBZOR
SCIENCE
Czechoslovakia

So: East European Accession Vol. 6, No. 5, May 1957

DIMOV, L.

Discovering the center of lost triangulate point. p. 30.
(Tekhnika, Vol. 5, no. 6, Nov./Dec. 1956, Bulgaria)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, no. 6, June 1957, Uncl.

DIMOV, L.

TECHNOLOGY

Vol. 3, no. 1/2, 1955/56 (published 1957).

Dimov, L. Equalizing the leveling systems.
p. 313.

Monthly Index of East European Accessions (EEAI) LC, Vol. 3, No. 1.
Jan. 1959.

DIMOV, L.

"Connecting and equalizing triangular nets."

GODISHNIK: Vol. 4, No. 1, 1956/57; Sofia, Bulgaria

Monthly list of EAST EUROPEAN ACCESSIONS INDEX (EEAI), Library of Congress,
Vol. 3, No. 8, August, 1959

Unclassified

DIMOV, L.

"Determining the most suitable surface and circumference."

GODISHNIK: Vol. 4, No. 1, 1956/57; Sofia, Bulgaria

Monthly list of EAST EUROPEAN ACCESSIONS INDEX (EEAI), Library of Congress,
Vol. 8, No. 8, August, 1959

Unclassified

DIMOV, I.

"Determining the most suitable surface in leveling ground."

SOBISHNIK: Vol. 4, No. 2, 1956/57; Sofia, Bulgaria

Monthly list of EAST EUROPEAN ACCESSIONS INDEX (EEAI), Library of Congress,
Vol. 8, No. 8, August, 1959

Unclassified

DMOV, I.

"Equalization of polygonal nets."

GODISHNIK: Vol. 4, No. 2, 1956/57; Sofia, Bulgaria

Monthly list of EAST EUROPEAN ACCESSIONS INDEX (EMAI), Library of Congress,
Vol. 8, No. 8, August, 1959

Unclassified

DIMOV, L.

Leveling a forward intersection by the method of conditioned observations. p. 81.

GODISHNIK. Minno-geolozhki institut. Sofia, Bulgaria. Vol. 5, no. 1, 1957/58
(published 1959).

Monthly List of East European Accessions (EEAI) LC, Vol. 9, No. 2, Feb. 1960
UNCL

3(4) SOV/154-59-5-16/17
AUTHORS: Lyubomir Dimov, Professor, Ivanov, Ivan, B., Engineer
TITLE: Remarks on the Article by A. I. Bolotin, Docent, Candidate of Technical Sciences, "On the Use of the Integral Method of Least Squares for the Determination of the Plane Closest to a Given Part of a Surface"
PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy. Geodeziya i aerofotos"yemka, 1959, Nr 5, pp 163-165 (USSR)
ABSTRACT: This is a comment on the above-mentioned article (published in "Geodeziya i aerofotos"yemka", 1958, Nr 5), in which a comparison is made between the integral method of least squares used by Bolotin to determine the planes mentioned in the title and the method of least squares worked out by Professor L. Dimov. It is noted that summation over discrete points is possible with the help of the first-mentioned method and that, consequently, this summation is also suited for a limited number of points as required by geodesy in the practice. However, this cannot be achieved by the method of least squares. Bolotin's method further allows the calculation of surface, volume, and moments of inertia from the initial quantities employed.

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SOV/154-59-5-16/17

Remarks on the Article by A. I. Bolotin, Docent, Candidate of Technical Sciences, "On the Use of the Integral Method of Least Squares for the Determination of the Plane Closest to a Given Part of a Surface"

Therefrom the unknown quantities are then determined. There are 5 references, 3 of which are Soviet.

ASSOCIATION: Bolgarskaya Narodnaya Respublika Gorno-geologicheskiy institut (Sofiya) (Bulgarian People's Republic, Mining and Geological Institute (Sofia)) ✓

Card 2/2

DIMDV, L.

Vertical projecting of terrain for airfields, large airports, and irrigation works. TR. from the German. p. 392

PRZEGIAD GEODEZYJNYN.(Stowarzyszenie Naukowe-Techniczne Geodetow Polskich)
Warazawa. Vol. 15, no. 10, October 1959

Monthly List of East European Accession (EEAI) LC, Vol. 9, no. 2, Feb. 1960

Uncl.

S/035/62/000/008/063/090
A001/A101

AUTHOR: Dimov, Ljubomir

TITLE: Determination of the most convenient planes and surfaces with the use of the least-square method. Summary.

PERIODICAL: Referativnyy zhurnal, Astronomiya i Geodeziya, no. 8, 1962, 13, abstract 8G117 ("Compte rendu 1-er sympos. internat. calculs géod. Cracovie, 1959", Kraków, 1961, 285 - 287, French; Russian summary) ✓

TEXT: See RZhAstr, 1960, no. 8, 8352; no. 9, 9473, 9478; 1961, 20101.

[Abstracter's note: Complete translation]

Card 1/1

DIMOV, L., prof.

The other methods of locating the lost triangulation point.
Min delo 17 no.9:17-19 S '62.

1. Minno-geolozhki institut.

DIMOV, L., inzh.

Effective use of rotor excavators in strip mining. Min delo
18 no.6:7-13 Je'63.

1. DMP "Chukurovo".

DIMOV, L., prof. inzh.

Leveling of polygon nets with one or more junction points.
Godishnik Min geol inst 8:209-213 '61-'62 [publ. '63].

Determination of leveling planes by the method of least squares.
Ibid.:215-227

DIMOV, L., prof. inzh.

The two-group equalization of standard triangular nets. Godishnik
Min geol inst 9:171-188 '62-'63[publ. '64].

DIMOV, L.D.; PECHATNOV, A.V.; VAYNSHTEN, Sh.I.; POGORELKO, M.P.

Drying and calcinating furnace for electrodes. Prom.energ.
15 no.5:19-21 My '60. (MIRA 13:7)
(Electric furnaces) (Electrodes)

Dimov, L.V.
RABINOVICH, A.Ya.; DIMOV, L.V.; SHAPOV, I.F.; GURAL'NIK, Ye.L.; OBUKHOV,
A.V., inzhener, retsenzent; ZHEREBIN, M.I., inzhener, retsenzent;
ZELEVICH, P.M., inzhener, redaktor; KHITROV, P.A., tekhnicheskii
redaktor.

[Welding and weld deposition of parts of the upper track structure]
Svarka i naplavka detalei verkhnego stroeniia puti. Moskva, Gos.
transportnoe zheleznodorozhnoe izd-vo, 1951. 206 p. (MLRA 8:1)
(Railroads--Track) (Electric welding)

PAVLOV, G.; STANKOV, A.; DIMOV, M.

Our experience with the removal of vertebral foci and abscesses in
tuberculous spondylitis. Khirurgia, Sofia 14 no.2/3:337-338 '61.

(TUBERCULOSIS SPINAL surg)

Dimov, M.

AUTHOR: Dimov, M. (Leningrad)

25-2-12/43

TITLE: 500,000 Frames per Second (500,000 kadrov v sekundy)

PERIODICAL: Nauka i Zhizn', 1958²⁵, # 2, p 45 (USSR)

ABSTRACT:

Iosif Ivanovich Kryshanovskiy, Dotsent of the Leningrad Institute of Precision Mechanics and Optics (Leningradskiy institut tochnoy mekhanik i optiki) recently gave a description of a new superhigh-speed motion-picture camera with a speed of 1000 to 200,000 frames per second, that has already been produced by this institute. Frames of different size can be used. The camera is fixed on a tripod and revolves over 360°. It is equipped with a remote control device and a special device for synchronizing the beginning of photographing with the beginning of the process to be photographed. The designing of motion-picture cameras with a speed of 500,000 frames per second are also under way.

A model of a device for testing optical instruments of superhigh-speed motion-picture cameras has been designed by L.A. Samurov, Engineer and Co-worker of the Institute of Optics imeni S. Vavilov (Opticheskiy institut imeni S. Vavilova), who suggests that it might be possible to increase photo-

Card 1/2

500,000 Frames per Second

25-2-12/43

graphing speed to 10,000,000 frames per second.
There is one photograph.

AVAILABLE: Library of Congress

Card 2/2.

DIMOV, M. (Leningrad)

With the "Elektrosila" trade-mark. Nauka i zhizn' 25 no.5:68
My '58. (MIRA 11:5)
(Leningrad--Turbogenerators)

AUTHOR: Dimov, M. (Leningrad) SOV/25-58-11-36/44
TITLE: ~~The Sixth Continent Discloses Its Secrets (Shestoy kontinent raskryvayet tayny)~~
PERIODICAL: Nauka i zhizn', 1958, Nr 11, pp 74-75 (USSR)
ABSTRACT: This is a review of the "Information Bulletin of the Soviet Antarctic Expedition Nr 1" published by "Morskoy transport", Leningrad, 1958.
There is 1 photo.

Card 1/1

DIMOV, M.; VLADKOV, O.

Surgical therapy of tuberculous arthritis of the knee joint with complete restoration of mobility. (Preliminary communication). Khirurgiia 15 no.2/3:171-172 '62.

1. Iz Okruzhn sanatorium za kostno-stavna tuberkuloza - s. Raduntsi.

(TUBERCULOSIS OSTEOARTICULAR surg)
(KNEE dis)

DIMOV, N.

A new industrial method of separating aromatic hydrocarbons.
Khim i industriia 35 no.5:179-181 '63.

B/007/62/000/002/001/012
D204/D307

AUTHOR: Dimov, N.

TITLE: Change of the adsorption properties of silica gel
ACK (ASK) by modifying its surface with silver ions

PERIODICAL: Referativnyy byulleten' Bolgarskoy nauchnoy litera-
tury, Khimiya i chimicheskaya tekhnologiya, no. 2,
1962, 3, abstract 83, God.-Nauch.-izsled. inst.
goriva i toplotekhnika, K-t prom., 7, 2, pp 103-112
(Rus., Engl. summaries)

TEXT: The effect was studied of the polarity of surface
groups of ASK silica gel on its adsorption characteristics during
the adsorption of ethane, ethylene, propylene and butane. Hydrogen
ions of the surface hydroxyls were replaced by silver ions by treat-
ing the silica gel with ammoniacal silver chloride. Chromatography
of the hydrocarbon mixture containing ethane, ethylene, propylene and
butane, using the modified gel, showed that the retention time (τ_R^{cr})
for ethylene was increased by almost 100%, for propylene by 50%,

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B/007/62/000/002/001/012
D204/D307

Change of the adsorption ...

and was unchanged for butane and ethane. During the adsorption of unsaturated hydrocarbons the selectivity of the silica gel was such that the adsorption column was first freed from butane and then from propylene. The change of specific adsorption characteristics of silica gel is, according to the author, connected with changing the negative charge of surface groups during the replacement of hydrogen ions with various metallic ions.

[Abstracter's note: Complete translation]

Card 2/2

DIMOV, NIKOLA

Zemedelska mikrobiologija. Sofia (Nauka i izkustvo) 1948. 272,(7)p.
(Universitetska literatura. Zapiski, no.4) (Agricultural microbiology;
a university textbook. illus.)

SO: Monthly Index of East European Accessions (EEAI) LC, Vol.7, No.5 May 1958

DIMOV, NIKOLA

Dimov, Nikola Izpolzuvane na ovcheto mliako. (Sofiya) Zemizdat, 1952. 113 p. (Dairy products from sheep's milk)

SO: Monthly List of East European Accessions, L C, Vol. 3 No. 1 Jan. '54 Uncl.

DIMOV, N.

"Contribution to cheese production by Neno Shindarov" (p.104) PRIRODA
(Bulgaraska Akademiia Na Naukite) Sofiya Vol 3 No 1 Jan/Feb 1954

SO: East European Accessions List No 2 Vol 7 Aug 1954

DIMOV, NIKOLA

Zemedelska mikrobiologija. Sofia, Zemizdat, 1956. 300 p. (Universitekska literatura) (Agricultural microbiology; a university textbook)

DA

DLC has variant editions.

SO: Monthly Index of East European Accessions (EEAI) LC, Vol. 7, No.5 May 1958

BULGARIA/Antibiosis and Symbiosis - Antibiotics.

F

Abs Jour : Ref Zhur Biol., No 1, 1959, 754

Author : Dimov, N.

Inst : "G. Dimitrov" Agricultural Institute

Title : Use of Curdled Milk as Bacterial Ferment in Manufacture
of Brinza Cheese

Orig Pub : Zootekh. fak., 1956, 6, 103-115

Abstract : No abstract.

Card 1/1

DEMOV, N.

"The 15th International Dairy Congress." p. 24

NAUCHEN ZHIVOT. Sofia, Bulgaria, Vol. 5, No. 4, September/
October, 1959.

Monthly List of East European Accessions (EEAI), LC, Vol. 9, No. 2,
February, 1960. Uncl.

LULOVA, N.I.; DIMOV, N.; LEONT'YEVA, S.A.

Selection of liquid phases for high-temperature gas chromatography.
Khim. i tekhn. topl. i masel 10 no.8:56-59 Ag '65. (MIRA 18:9)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut po pererabotke nefiti
i gazov i polucheniyu iskusstvennogo zhidkogo topliva.

S/035/60/000/006/016/038
A001/A001

Translation from: Referativnyy zhurnal, Astronomiya i Geodeziya, 1960, No. 6,
p. 20, # 5028

AUTHOR: Dimov, N. A. 12

TITLE: Integrating Stellar Electric Spectrophotometer 12-E

PERIODICAL: Astron. tsirkulyar, 1959, sent. 4, No. 204, pp. 14-15 20

TEXT: An increase in the total time of spectrum observation contributes to the averaging of random errors and thereby to their elimination. This result can be achieved by summing the results of rapid repeated passages of spectrum. For this purpose, an integrating stellar electric spectrophotometer was constructed at the Krymskaya astrofizicheskaya observatoriya, (Crimean Astrophysical Observatory); it was mounted in the Coudet focus of a 50-cm reflector. A brief description of the device is given. The resolution power of the electric spectrophotometer makes it possible to study lines with a half-width of not less than 10-15 Å. Observations in 1959, June-July, showed that the mean error of intensity determination at points on the basis of which the

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S/035/60/000/006/016/038
A001/A001

Integrating Stellar Electric Spectrophotometer

line profile is plotted, amounts to $\sim 1\%$ for the stars of $3-4^m$ at observational time of 4-7 min and $\sim 1.5 - 2\%$ for the stars of $5-6^m$.

N. P. Kukarkina

Translator's note: This is the full translation of the original Russian abstract.



Card 2/2

81838

3.1250

S/033/60/037/03/007/027
E032/E314

AUTHOR: Dimov, N.A. ✓

TITLE: An Integrating Stellar Spectrophotometer ²⁶

PERIODICAL: Astronomicheskii zhurnal, 1960, Vol 37, Nr 3,
pp 464 - 468 (USSR)

ABSTRACT: In the instrument described in the present paper, the observed spectral interval is scanned by the slit of the spectrometer. As the slit moves along the spectrum the output of the photomultiplier recording the radiation is fed to successive integrating capacitors. The arrangement is shown schematically in Figure 1, in which A is the part of the stellar spectrum under investigation and S is the moveable slit defining a part of the spectrum. After passing through the slit the light strikes the photo cathode of the photomultiplier (P) and the output of the latter depends on the position of the slit. After amplification the signal is fed into the 50-position commutator K, which applies the photomultiplier output to the successive capacitors. Only one capacitor can be connected to the photomultiplier at a given time. As the slit begins its motion towards the right, a mechanism

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S/033/60/037/03/007/027

E032/E314

An Integrating Stellar Spectrophotometer

rigidly connected with the motion of the slit produces electrical pulses which operate the commutator K which presents the successive capacitors to the photomultiplier output. The scanning is repeated several times. After several such traversals across the spectrum the commutator K is switched by means of the key Π into an electronic potentiometer. The latter is then used to measure the potentials across the various condensers giving 47 experimental points along the spectrum. The photomultiplier output is amplified by the balance DC amplifier shown in Figure 2, while the control pulses which operate the commutator are produced with the aid of the power amplifier shown in Figure 3. The device has been used in conjunction with the 50 cm reflector at the Crimeran Astrophysical Observatory of the Ac.Sc., USSR. The time for a single scan is 25 sec. Typical results obtained for the H_γ line for γ Lyr and 3 Vul are shown in Figure 4. The dotted line shows the dark current level of the photomultiplier. The reproducibility is of the order of 1% for stars of the third or fourth magnitude and 1.5-2%

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E032/E314

An Integrating Stellar Spectrophotometer
for stars of the fifth magnitude.
There are 4 figures, 3 tables and 8 references, 7 of
which are Soviet and 1 is English.

ASSOCIATION: Krymskaya astrofizicheskaya observatoriya
Akademii nauk SSSR (Crimean Astrophysical Observatory
of the Ac.Sc. USSR)

SUBMITTED: January 19, 1960

Card3/3

9.4/60
3.15/0

22100

S/035/61/000/003/027/048
A001/A101

AUTHOR: Dimov, N.A.

TITLE: Employment of modulation of photomultiplier gain factor for measuring weak light fluxes

PERIODICAL: Referativnyy zhurnal. Astronomiya i Geodeziya, no. 3, 1961, 52, abstract 3A443 ("Izv. Krymsk. astrofiz. observ.", 1960, v. 22, 9-11, Engl. summary)

TEXT: The author proposes a method of modulating the gain factor of photomultipliers based on changes in distribution of interstage potentials; the method excludes instability of zero, related to leakages through the glass of the photomultiplier. Modulation is achieved by closing two adjacent diodes by means of a polarized relay supplied from an a.c. network. This makes it possible to replace d.c. amplifiers having a characteristic zero drift by a.c. amplifiers for amplifying photocurrents. X

Author's summary

[Abstracter's note: Complete translation]

Card 1/1

30260

S/035/61/000/010/001/034
A001/A101

3.1510 (1114, 1129, 1166)

AUTHORS: Dimov, N.A., Nikonov, V.B.

TITLE: Photoelectrical determination of equivalent widths of H γ in early stars

PERIODICAL: Referativnyy zhurnal. Astronomiya i Geodeziya, no. 10, 1961, 22, abstract 10A167 ("Izv. Krymsk. astrofiz. observ.", 1960, v. 22, 176-188, Engl. summary)

TEXT: The authors discuss the possibility of direct photoelectrical determination of equivalent widths of spectral lines by the "differential storing" method. In this method, light fluxes are measured from the portion of spectrum which includes the line being studied, as well as those from two portions of continuous spectrum to both sides of the line. The measurements of the both light fluxes are conducted by means of a single photomultiplier and alternate every 0.5 sec. Photocurrents from the line and continuous spectrum are integrated independently. The method described was applied to determination of equivalent widths of H γ in spectra of 22 stars of spectral classes O9 - A0. Observations established the possibility of organizing the large-scale photoelectrical determina-

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30260

S/035/61/000/010/001/034
A001/A101

Photoelectrical determination ...

tions of absolute magnitude of early stars. The accuracy of direct photoelectrical measurements proved to be equal to 0.30 A for the root-mean-square error of one measurement, or 0.15 A for the mean from 4-5 observations. There are 8 references.

T. Kuznetsova

[Abstracter's note: Complete translation]

Card 2/2

41269

S/035/62/000/010/012/128
A001/A101

3.15/0

AUTHORS: Shakhovskoy, N. M., Dimov, N. A.

TITLE: An integrating stellar electropolarimeter

PERIODICAL: Referativnyy zhurnal, Astronomiya i Geodeziya, no. 10, 1962, 18 - 19
abstract 10A163 ("Izv. Krymsk. astrofiz. observ.", 1962, v. 27,
291 - 308)

TEXT: The authors describe photoelectric devices for studying polarization characteristics of stellar radiation within a broad spectral range. Synchronously with rotation of an analyzer (1 rev/sec), 20 RC-integrators are switching over. After a great number of revolutions, charges are stored on capacitors, which are proportional to the average, during the observation time, intensity of the polarized component of a star light for each position of the analyzer. During the entire time of storing, full intensity of the star light is continuously registered. A luminous standard with constant polarization is used for the control of apparatus sensitivity. The method described enables one to obtain results independent of variations of light flux during observation. An increase of observation time does not lead to additional errors. The results
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An integrating stellar electropolarimeter

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A001/A101

of preliminary tests of the polarimeter mounted on a 40-cm refractor have shown that the rms error of one observation amounts to 0.16% in polarization degree and to 1.7 in the position of the polarization plane at the storage time of 3 min. The penetrating capacity, determined by the brightness of the night sky background, is equal to 11^m. A comparison with data of other authors (RZhAstr, 1961, 8A344) shows that the apparatus described yields results not inferior, in accuracy and penetrating capacity, to considerably larger telescopes at comparable observation times. There are 16 references.

From authors' summary

[Abstracter's note: Complete translation]

Card 2/2

DIMOV, N.A.

Comparison of the method of photon counts and the method of
direct current amplification for weak light fluxes. Izv.
Krym. astrofiz. obser. 30:308-311 '63. (MIRA 17:1)

ABRASHEV, G.P.; RADEV, R.I.; TSENKOV, TS.G.; DIMOV, N.D.; ZAKHARIYEV, I.TS.;
PENCHEV, S.P.; TSONEV, M.D.; SHADEL'SKIY, G.A.

Crude oil of the Dolni Dubnik field. Khim. i tekhn. topl. i masel 8
no. 11:24-30 N '63. (MIRA 16:12)

DIMOV, N.I.

Construction of precast concrete radical settling tanks
with a diameter of 40 m. Vod. i san. tekhn. no.8:16-18 Ag '61.
(MIRA 14:9)

(Sewage disposal plants)
(Precast concrete construction)